

WHAT IS CLAIMED IS

1 1. A USB-based wireless transmitting/receiving system comprising:  
2 a transmitting portion adapted to be connected to at least one  
3 USB-based peripheral device for receiving a signal from the  
4 peripheral device;  
5 a receiving portion adapted to be connected to a computer host and  
6 coupled to the transmitting portion in a wireless fashion for  
7 receiving and applying the signal from the transmitting portion to  
8 the computer host whereby a wireless communication is  
9 established between the computer host and the USB-based  
10 peripheral device.

1 2. The USB-based wireless transmitting/receiving system as claimed in  
2 Claim 1, wherein the wireless coupling between the transmitting  
3 portion and the receiving portion comprises infrared transmission.

1 3. The USB-based wireless transmitting/receiving system as claimed in  
2 Claim 1, wherein the wireless coupling between the transmitting  
3 portion and the receiving portion comprises radio frequency  
4 transmission.

1 4. The USB-based wireless transmitting/receiving system as claimed in  
2 Claim 1, wherein the transmitting portion comprises a central  
3 processing unit to which a transmitting unit and a receiving unit are  
4 connected and a power supply system for powering the central  
5 processing unit.

1 5. The USB-based wireless transmitting/receiving system as claimed in  
2 Claim 4, wherein the power supply system comprises a controller to  
3 which a primary power source and an auxiliary power source are

4 connected whereby the controller selectively supplies power from the  
5 primary power source and the auxiliary power source to the central  
6 processing unit.

1 6. The USB-based wireless transmitting/receiving system as claimed in  
2 Claim 5, wherein the auxiliary power source selectively comprises a  
3 primary battery set, a secondary battery set and a solar cell system.

1 7. The USB-based wireless transmitting/receiving system as claimed in  
2 Claim 1, wherein the receiving portion comprises a central processing  
3 unit to which a transmitting unit and a receiving unit are connected  
4 and a power supply system for powering the central processing unit.

1 8. The USB-based wireless transmitting/receiving system as claimed in  
2 Claim 7, wherein the power supply system comprises a controller to  
3 which a primary power source and an auxiliary power source are  
4 connected whereby the controller selectively supplies power from the  
5 primary power source and the auxiliary power source to the central  
6 processing unit.

1 9. The USB-based wireless transmitting/receiving system as claimed in  
2 Claim 8, wherein the auxiliary power source selectively comprises a  
3 primary battery set, a secondary battery set and a solar cell system.

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